

Amendments to Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of automating validation of a manufacturing process, comprising:

defining requirements;

selecting automated devices for manufacturing;

integrating automated devices in a production line, wherein integrating the automated devices comprises interconnecting the automated devices to a hub-box via communication links, the hub-box operationally controls and facilitates communication between automated devices and validation of the manufacturing process, wherein the validation includes generating an organized set of documents, defining aspects of the process, in conformance with regulatory standards;

collecting processing data from the automated devices by the hub-box for analysis;

analyzing processing data to determine whether the requirements are satisfied; and

validating the manufacturing process if the requirements are satisfied.

2-11. (cancelled)

12. (original) The method of claim 1 further comprises providing a generic interface unit for facilitating communication between the hub-box and automated modules.

13. (original) The method of claim 12 wherein providing the generic interface unit comprises providing a generic interface for each automated module.

14. (original) The method of claim 13 wherein the generic interface includes communication links for each automated device of the automated module.

15. (original) The method of claim 12 wherein the generic interface includes communication links for each automated device of the automated module.

16-20. (cancelled)

21. (previously presented) The method of claim 1 wherein the requirements are user requirements or functional requirements.

22. (previously presented) The method of claim 21 wherein the user requirements are facility operating conditions, desired output, quality, process or product specifications.

23. (previously presented) The method of claim 21 wherein the functional requirements are power consumption, loading, speed or capacity, environmental operating conditions, system or equipment functionalities, process results or quality parameters.

24. (previously presented) The method of claim 1 wherein the documents contain information relating to change history, operating conditions, events, alarm messages, control parameters, process parameters, measurement data or analysis results.

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25. (previously presented) The method of claim 1 wherein the documents are audit trail reports, electronic records or electronic signatures.